### Company Information

Company Name: Newfield Exploration Company

NaturalGas

Gas STAR Contact:

Title

Address:

City:

State:

Zip:

Phone:

Fax:

E-mail:

Via orline 4/3/04

Company Information Updated: No

### **Activities Reported**

BMP1: Yes BMP2: Yes BMP3: Yes

Total Methane Emission Reductions Reported This Year: 127,459

Previous Years' Activities Reported: No

### Period Covered by Report

From: 01/01/2005

To: 12/31/2005

**Additional Comments** 

Entered into Accers DH-Entered into ISTAR - 4/21/06 DF-QA/QC 6/12/06

## Production - Natural Gas STAR Annual Report - 2005 Newfield Exploration Company BMP1: Identify and Replace High-Bleed Pneumatic Devices **Current Year Activities** A. Facility Summary Number of devices replaced this reporting period: 180 devices / Percent of system now equipped with low/no-bleed units: **B.** Cost Summary Estimated cost per replacement (including equipment and labor): \$\_\_\_\_\_ C. Methane Emissions Reduction Method Used: Calculation Using Default Data Source: Not Applicable Methane Emissions Reduction: 22,320.00 Mcf/year D. Duration of Activity Number of years that methane emissions reductions will be realized: 7 years E. Total Value of Gas Saved Value of Gas Saved: \$ 111,600.00 \$ / Mcf used: \$ 5.00 F. Planned Future Activities Number of high-bleed devices to be replicated next year: Previous Years' Activities **Estimated Reductions** Value of Gas Total Cost \* Number of (Mcf/Yr) Saved (\$) **Devices** (\$) Year \* Total cost of replacements (including equipment and labor) **Additional Comments**

Additional Comments

BMP2: Install	Flash Tank Separators of	on Glycol Dehydrators	•	
Current Year	Activities			
A. Facility Su	ımmary			
	sh tank separators install ydrators in system equip		od: flash tanks eparators: %	
B. Cost Sumn	nary			
Estimated cos	t per flash tank separator	replacement (includir	ng equipment and labor): \$_	
C. Methane E	missions Reduction			
Data Source:	Standard Calculation Field measurement sions Reduction:	Mcf/year		
	Flash Tank Installation Number	TEG circulation rate (gal/hr)	Methane entrainment rate (scf/gal)	Hours of operation (hrs/yr)
	7)			
				I
D. Duration on Number of year	rs that methane emission	ns reductions will be re	ealized: 10 years	
D. Duration of year.  Total Value	f Activity  rs that methane emission  e of Gas Saved	as reductions will be re	ealized: 10 years	
D. Duration of year.  Total Value	f Activity  rs that methane emission  e of Gas Saved  aved: \$	us reductions will be re	ealized: 10 years	
D. Duration of year of year of Yalue of Gas Sold / Mcf used:	f Activity rs that methane emission e of Gas Saved saved: \$ \$ 3.00  ture Activities th tank separators to be in		ealized: 10 years	
D. Duration of Jumber of year E. Total Value of Gas Standard Mcf used:  J. Planned Furnithment Furnithment of flas	f Activity  Its that methane emission of Gas Saved Gaved: \$ \$ 3.00  Iture Activities It tank separators to be in  Activities # of Flash Tank	nstalled next year: _	flash tanks	
D. Duration of Jumber of year E. Total Value of Gas Standard Mcf used:  J. Planned Furnithment Furnithment of flas	f Activity  Its that methane emission of Gas Saved Saved: \$ \$ 3.00  Iture Activities The tank separators to be in Activities			Value of Gas Saved (\$)

### Production - Natural Gas STAR Annual Report - 2005 Newfield Exploration Company BMP3: Partner Reported Opportunities (PROs) Install capillary strings **Current Year Activities** A. Description of PRO Installed a warranted B. Level of Implementation Number of units installed: 3 units C. Methane Emissions Reduction Methane Emissions Reduction: 21,537.00 Mcf/year Basis for the emissions reduction estimate: Actual field measurement D. Duration of PRO Number of years that methane emissions reductions will be realized: 1 years E. Cost Summary Estimated cost of implementing the PRO (including equipment and labor): \$\_\_\_ F. Total Value of Gas Saved Value of Gas Saved: \$ 107,685.00 \$ / Mcf used: \$ 5.00 G. Planned Future Activities To what extent do you expect to implement this PRO next year?: As warranted Previous Years' Activities **Estimated Reductions** Value of Gas **Total Cost \*** Frequency of practice (Mcf/Yr) Saved (\$) or # of Installations (\$) Year 1990

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1993			_
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# Production - Natural Gas STAR Annual Report - 2005 Newfield Exploration Company (PRO)

BMP3: Partner Reported Opportunities (PROs)

Install condenser on glycol vent

#### **Current Year Activities**

A. Description of PRO

Install condensers on all dehy with a capacity 3 million throughput or more

B. Level of Implementation

Number of units installed: 9 units

C. Methane Emissions Reduction

Methane Emissions Reduction: 9,365.00 Mcf/year

Basis for the emissions reduction estimate: Other

Calculated using GlyCalc 3.0

D. Duration of PRO

Number of years that methane emissions reductions will be realized: 10 years

E. Cost Summary

Estimated cost of implementing the PRO (including equipment and labor): \$ 15,000

F. Total Value of Gas Saved

Value of Gas Saved: \$ 28,095.00

\$ / Mcf used: \$ 3.00

G. Planned Future Activities

To what extent do you expect to implement this PRO next year?: As warranted

#### Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)
1990				

Production - Natural Gas STAR Annual Report - 2005 Newfield Exploration Company BMP3: Partner Reported Opportunities (PROs) Install condenser on glycol vent 

# Additional Comments

<sup>\*</sup> Total cost of practice/activity (including equipment and labor)

# Newfield Exploration Company BMP3: Partner Reported Opportunities (PROs) Install flares **Current Year Activities** A. Description of PRO Installed flares on central facilties that were uneconomical to capture B. Level of Implementation Number of units installed: 2 units C. Methane Emissions Reduction Methane Emissions Reduction: 4,852.00 Mcf/year Basis for the emissions reduction estimate: Flash equilibrium analysis of tank vapors D. Duration of PRO Number of years that methane emissions reductions will be realized: 10 years E. Cost Summary Estimated cost of implementing the PRO (including equipment and labor): \$\_\_\_\_ F. Total Value of Gas Saved Value of Gas Saved: \$24,260.00 / Nothing Saved it is flaved \$ / Mcf used: \$ 5.00 G. Planned Future Activities To what extent do you expect to implement this PRO next year?: As needed Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)
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tal cost of practice/activity (including equipment	and labor)		

Production - Natural Gas STAR Annual Report - 2005 Newfield Exploration Company BMP3: Partner Reported Opportunities (PROs) Install plunger lift systems in gas wells **Current Year Activities** A. Description of PRO Installed to eliminate venting B. Level of Implementation Number of units installed: 12 units C. Methane Emissions Reduction Methane Emissions Reduction: 43,171.00 Mcf/year entered as 1 Basis for the emissions reduction estimate: Actual field measurement D. Duration of PRO Number of years that methane emissions reductions will be realized: E. Cost Summary Estimated cost of implementing the PRO (including equipment and labor): \$\_\_ F. Total Value of Gas Saved Value of Gas Saved: \$ 215,855.00 \$ / Mcf used: \$ 5.00 G. Planned Future Activities To what extent do you expect to implement this PRO next year?: As warranted Previous Years' Activities

Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (\$)
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Exploration Company artner Reported Opportunities (PROs) Junger lift systems in gas wells

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<sup>\*</sup> Total cost of practice/activity (including equipment and labor)

## Additional Comments

Wells only last approximately 5 years in this field

	Fre	<u> Oduction - Natura</u>	Gas STAR	
DIVII J.	ld Exploration Company Partner Reported Opportunit Green Completions	ties (PROs)	l Gas STAR Annual F	Report - 2005
Current	Year Activities			
A. Dese Will pe	cription of PRO rform where there is pipeline	e infrastructure		
B. Leve	el of Implementation of units installed: 8 units			
C. Meth	nane Emissions Reduction	,214.00 Mcf/year		
Basis for	the emissions reduction esti	•	measurement	
Number of E. Cost Si	ion of PRO of years that methane emissic ummary cost of implementing the Sec	ons reductions will be	realized: 1 years 🗸	
F. Total V Value of G \$ / Mcf use	cost of implementing the PR Yalue of Gas Saved as Saved: \$ 78,642.00	O (including equipm	ent and labor): \$	
10 what ext	I Future Activities tent do you expect to implem	nent this PRO next yea	ar?: As warranted	
revious V.	ears' Activities		Tanted V	
1011043 1	T		×	
Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas

Production - Natural Gas STAR Annual Report - 2005

Newfield Exploration Company
BMP3 : Partner Reported Opportunities (PROs)
Perform Green Completions

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Additional Compaents

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<sup>\*</sup> Total cost of practice/activity (including equipment and labor)

Newfield Spration Company Additional Sprantishments